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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
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FOR THE MONTH AND PERIOD ENDED NOVEMBER, 1984

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

1984 ISSUE NO. 11
RELEASE DATE: January 21, 1985

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

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The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

PART 300/400
NON-PART 400/500

SPI

SECTION I

CRS

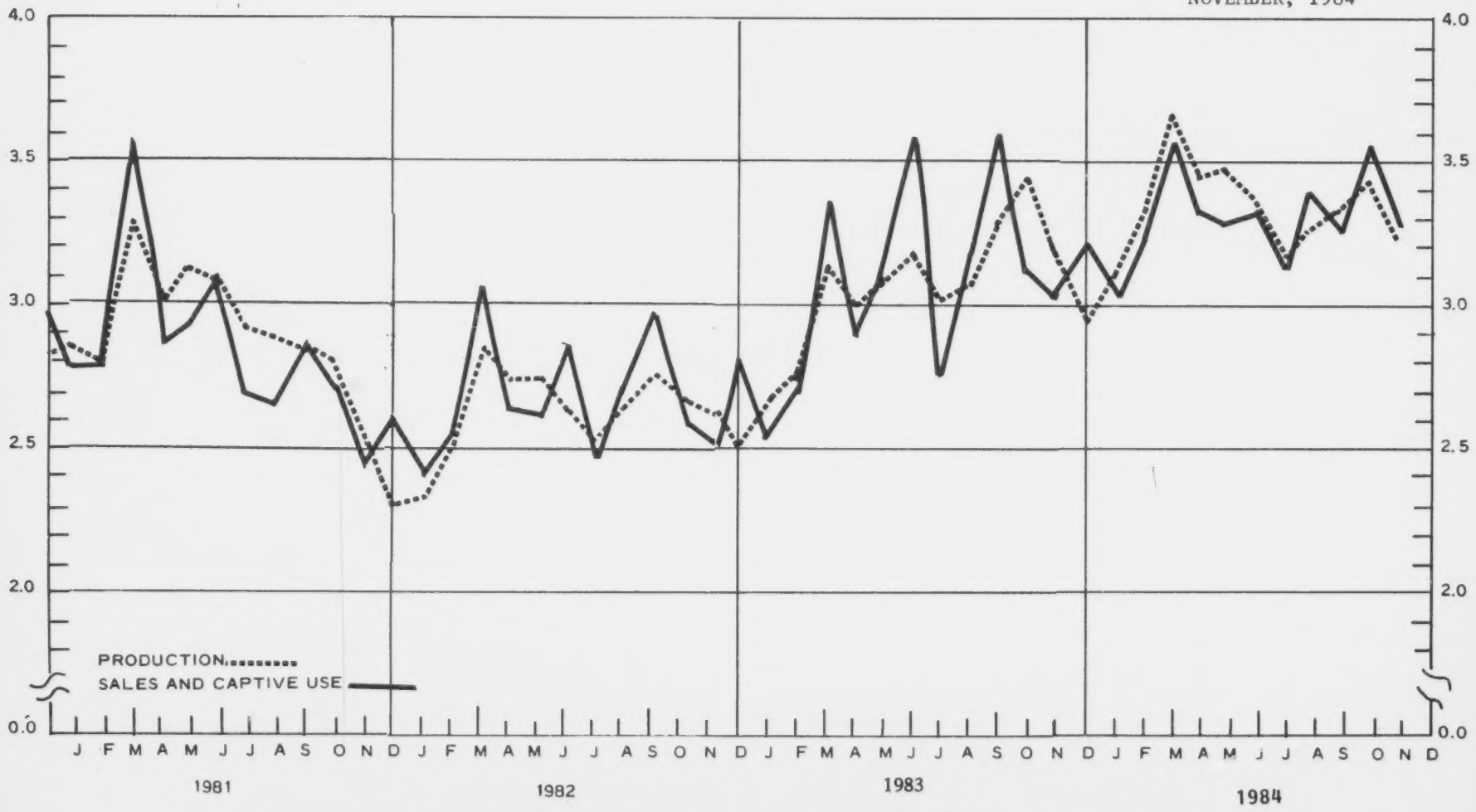
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

NOVEMBER, 1984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SPI

SECTION I

CRS

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

NOVEMBER 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	28,974	28,674	+1.0	358,197	303,440	+18.0	30,988	31,869	-2.8	361,330	309,624	+16.7
POLYESTER (UNSATURATED) RESINS, TOTAL	93,082	90,608	+2.7	1,141,368R	988,319	+15.5	90,305	90,299	0.0	1,142,106	1,000,646	+14.1
UREA RESINS, TOTAL	90,586	89,893	+0.8	1,095,912R	1,070,938	+2.3	91,998	90,588	+1.6	1,106,081	1,075,429	+2.9
MELAMINE RESINS, TOTAL	16,322	15,335	+6.4	184,516R	167,630	10.1	16,881	15,272	+10.5	195,398	167,606	+16.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	181,860	200,841	-9.5	2,316,375R	2,316,221	0.0	181,886	198,702	-8.5	2,313,981	2,275,283	+1.7
THERMOSETTING RESINS, TOTAL	410,824	425,351	-3.4	5,096,368R	4,846,548	+5.2	412,058	426,730	-3.4	5,118,896	4,828,588	+6.0
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	707,704	635,994	+11.3	7,601,628R	7,259,430	+4.7	714,837	706,100	+1.2	7,743,680	7,382,499	+4.9
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	500,799	454,079	+10.3	5,442,828	5,214,929	+4.4	495,189	496,742	-0.3	5,632,388	5,264,496	+7.0
POLYPROPYLENE, TOTAL	400,172	381,741	+4.8	4,417,422R	4,059,966	+8.8	396,000	402,648	-1.7	4,525,743	4,070,445	+11.2
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	82,239	87,387	-5.9	1,006,574	925,300	+8.8	93,436	71,427	+30.8	1,042,775	887,737	+17.5
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,998	7,970	-12.2	83,408	83,805	-0.5	7,886	7,374	+6.9	93,137	86,894	+7.2
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	21,748	21,666	+0.4	224,653R	213,060	+5.4	22,862	19,391	+17.9	242,625R	194,542	+24.7
POLYSTYRENE, TOTAL	293,546	319,843	-8.2	3,537,842	3,320,492	+6.5	302,198	336,874	-10.3	3,523,191	3,266,254	+7.9
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	57,380	61,290	-6.4	688,752	647,018	+6.5	52,862	64,742	-18.3	681,181	650,353	+4.7
NYLON RESINS, TOTAL	32,016	31,990	0.0	360,320	300,619	+19.9	28,553	32,950	-13.3	372,311	292,390	+27.3
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	629,892	446,081	+41.2	6,192,075R	5,651,458	+9.6	570,818	476,542	+19.8	6,178,289	5,667,836	+9.0
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	53,273	56,059	-5.0	644,255	635,711	+1.3	* 53,273	* 56,059	-5.0	* 644,255	* 635,711	+1.3
POLYVINYL ALCOHOL, TOTAL #	11,666	11,377	+2.5	133,685	124,069	+7.8	14,010	9,840	+42.4	138,965	118,535	+17.2
OTHER VINYL RESINS, TOTAL	15,306	15,428	-0.8	169,148	161,552	+4.7	14,809	17,708	-16.4	171,397	169,694	+1.0
THERMOPLASTIC POLYESTER, TOTAL	68,761	71,258	-3.5	772,975	718,938	+7.5	73,653	70,389	+4.6	817,834	711,638	+14.9
THERMOPLASTIC RESINS, TOTAL	2,881,500	2,602,163	+10.7	31,275,565R	29,316,347	+6.7	2,840,386	2,768,786	+2.6	31,807,771R	29,399,024	+8.2
GRAND TOTAL	3,292,324	3,027,514	+8.7	36,371,933R	34,162,895	+6.5	3,252,444	3,195,516	+1.8	36,926,667R	34,227,612	+7.9

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

\# = Includes imputed data

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*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

SPI

SECTION I

CRS

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In metric tons, dry weight basis)(1)

NOVEMBER 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	13,143	13,006	+1.0	162,477	137,639	+18.0	14,056	14,456	-2.8	163,898	140,444	+16.7
POLYESTER (UNSATURATED) RESINS, TOTAL	42,222	41,100	+2.7	517,721R	448,299	+15.5	40,962	40,959	0.0	518,056	453,890	+14.1
UREA RESINS, TOTAL	41,089	40,775	+0.8	497,102R	485,774	+2.3	41,730	41,090	+1.6	501,715	487,811	+2.9
MELAMINE RESINS, TOTAL	7,404	6,956	+6.4	83,696R	76,036	+10.1	7,657	6,927	+10.5	88,632	76,025	+16.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	82,491	91,101	-9.5	1,050,701R	1,050,632	0.0	82,503	90,131	-8.5	1,049,615	1,032,063	+1.7
THERMOSETTING RESINS, TOTAL	186,349	192,938	-3.4	2,311,697R	2,198,380	+5.2	186,908	193,563	-3.4	2,321,916	2,190,233	+6.0
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	321,012	288,485	+11.3	3,448,076R	3,292,856	+4.7	324,248	320,285	+1.2	3,512,510	3,348,680	+4.9
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	227,161	205,969	+10.3	2,468,851	2,365,476	+4.4	224,616	225,321	-0.3	2,554,834	2,387,960	+7.0
POLYPROPYLENE, TOTAL	181,517	173,157	+4.8	2,003,729R	1,841,588	+8.8	179,624	182,640	-1.7	2,052,863	1,846,342	+11.2
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	37,303	39,638	-5.9	456,578	419,713	+8.8	42,382	32,399	+30.8	472,999	402,675	+17.5
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	3,174	3,615	-12.2	37,834	38,014	-0.5	3,577	3,345	+6.9	42,247	39,415	+7.2
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	9,865	9,828	+0.4	101,902R	96,643	+5.4	10,370	8,796	+17.9	110,055	88,244	+24.7
POLYSTYRENE, TOTAL	133,152	145,080	-8.2	1,604,755	1,506,165	+6.5	137,076	152,805	-10.3	1,598,109	1,481,562	+7.9
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	26,027	27,801	-6.4	312,416	293,485	+6.5	23,979	29,367	-18.3	308,983	294,998	+4.7
NYLON RESINS, TOTAL	14,522	14,510	0.0	163,440	136,360	+19.9	12,952	14,946	-13.3	168,879	132,627	+27.3
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	285,717	202,341	+41.2	2,808,707R	2,563,485	+9.6	258,921	216,158	+19.8	2,802,453	2,570,913	+9.0
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	24,164	25,428	-5.0	292,232	288,357	+1.3	* 24,164	* 25,428	-5.0	* 292,232	* 288,357	+1.3
POLYVINYL ALCOHOL, TOTAL #	5,292	5,161	+2.5	60,639	56,277	+7.8	6,355	4,463	+42.4	63,034	53,767	+17.2
OTHER VINYL RESINS, TOTAL	6,943	6,998	-0.8	76,725	73,280	+4.7	6,718	8,032	-16.4	77,745	76,973	+1.0
THERMOPLASTIC POLYESTER, TOTAL	31,190	32,322	-3.5	350,619	326,108	+7.5	33,409	31,928	+4.6	370,967	322,797	+14.9
THERMOPLASTIC RESINS, TOTAL	1,307,039	1,180,333	+10.7	14,186,503R	13,297,807	+6.7	1,288,391	1,255,913	+2.6	14,427,910R	13,335,310	+8.2
GRAND TOTAL	1,493,388	1,373,271	+8.7	16,498,200R	15,496,187	+6.5	1,475,299	1,449,476	+1.8	16,749,826R	15,525,543	+7.9

(1) = Except phenolic resins which are reported on a gross weight basis

(4) = Includes Styrene Butadiene Latexes

\# = Includes imputed data

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For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.

*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOSETTING RESINS

(In thousands of pounds, dry weight basis)

NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	28,974	28,674	+1.0	358,197	303,440	+18.0	30,988	31,869	-2.8	361,330	309,624	+16.7
Total Exports	4,268	4,016	+6.3	41,513	31,681	+31.0						
Total Domestic	24,706	24,658	+0.2	316,684	271,759	+16.5						
Bonding & Adhesives	1,375	995	+38.2	18,526	14,333	+29.3						
Flooring, Paving & Exposed Aggregate	1,311	1,392	-5.8	16,474	17,067	-3.5						
Protective Coatings	10,985	10,518	+4.4	143,511	120,010	+19.6						
Fiber Reinforced Laminates & Composites, Total	6,281	7,162	-12.3	81,977	67,374	+21.7						
FRL&C for Printed Wiring Board	4,105	5,090	-19.4	57,026	48,646	+17.2						
All Other FRL&C	2,176	2,072	+5.0	24,951	18,728	+33.2						
Tooling, Casting & Molding Resins	2,344	2,589	-9.5	29,224	25,712	+13.7						
All Other Uses	2,410	2,002	+20.4	26,972	27,263	-1.1						
POLYESTER (UNSATURATED) RESINS, TOTAL	93,082	90,608	+2.7	1,141,368R	988,319	+15.5	90,305	90,299	0.0	1,142,106R	1,000,646	+14.1
Total Exports	684	680	+0.6	7,489R	9,204	-18.6						
Total Domestic	92,398	89,928	+2.7	1,133,879R	979,115	+15.8						
General Purpose Resins, Total	82,003	79,478	+3.2	1,014,391R	873,505	+16.1						
General Purpose — Thixotropic	36,859	35,461	+3.9	458,657R	407,375	+12.6						
General Purpose — Press Molding	17,209	13,692	+25.7	179,605R	130,683	+37.4						
General Purpose — All Other	27,935	30,325	-7.9	376,129R	335,447	+12.1						
Flame Retardant Resins	2,099	1,988	+5.6	21,458R	18,370	+16.8						
Chemical Resistant Resins	8,296	8,462	-2.0	98,030R	87,240	+12.4						
Chemical Resistant Isophthalic Resins	5,918	5,401	+9.6	68,749R	58,066	+18.4						
All Other Chemical Resistant Resins	2,378	3,061	-22.3	29,281R	29,174	+0.4						
Reinforced Plastics, Total	69,655	69,265	+0.6	868,629R	754,264	+15.2						
Non-Reinforced Plastics, Total	22,743	20,663	+10.1	265,250R	224,851	+18.0						

R = Revision

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOSETTING RESINS

(In thousands of pounds, dry weight basis)(1)

NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
UREA RESINS, TOTAL	90,586	89,893	+0.8	1,095,912R	1,070,938	+2.3	91,998	90,588	+1.6	1,106,081R	1,075,429	+2.9
MELAMINE RESINS, TOTAL	16,322	15,335	+6.4	184,516R	167,630	+10.1	16,881	15,272	+10.5	195,398R	167,606	+16.6
UREA & MELAMINE RESINS, TOTAL	106,908	105,228	+1.6	1,280,428R	1,238,568	+3.4	108,879	105,860	+2.9	1,301,479R	1,243,035	+4.7
Total Exports	D	D		D	D							
Total Domestic *	106,908	105,228	+1.6	1,280,428R	1,238,568	+3.4						
Textile Treating & Coating Resins	D	D		D	D		D	D		D	D	
Paper Treating & Coating Resins	7,383	6,291	+17.4	90,432R	67,027	+34.9	8,339	6,527	+27.8	96,288R	77,796	+23.8
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	80,169	79,777	+0.5	963,347R	937,434	+2.8	80,598	80,700	-0.1	972,710R	944,566	+3.0
Laminating	4,095	3,302	+24.0	41,032	37,134	+10.5	4,050	3,411	+18.7	42,125	37,109	+13.5
Plywood	5,089	5,137	-0.9	54,219R	58,221	-6.9	4,936	5,301	-6.9	56,450R	58,724	-3.9
Fibrous & Granulated Wood (Particle Board)	70,985	71,338	-0.5	868,096R	842,079	+3.1	71,612	71,988	-0.5	874,135R	848,733	+3.0
Protective Coatings (Straight & Modified)	6,716	6,379	+5.3	79,039	70,530	+12.1	8,609	7,664	+12.3	100,593	81,625	+23.2
All Other Uses (Includes Textile Treating & Coating Resins, Molding Compounds, and Exports)	12,640	12,781	-1.1	147,610R	163,577	-9.8	11,333	10,969	+3.3	131,888R	139,048	-5.1
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	181,860	200,841	-9.5	2,316,375R	2,316,221	0.0	181,886	198,702	-8.5	2,313,981R	2,275,283	+1.7
Total Exports	1,746	1,682	+3.8	20,402R	20,815	-2.0						
Total Domestic	180,114	199,159	-9.6	2,295,973R	2,295,406	0.0						
Molding Compounds	17,280	21,618	-20.1	223,167R	211,148	+5.7	17,709	23,549	-24.8	246,552R	239,977	+2.7
Bonding & Adhesive Resins for:	157,404	173,530	-9.3	2,018,950R	2,039,185	-1.0	158,224	170,927	-7.4	2,010,637R	1,989,831	+1.0
Laminating	11,389	13,542	-15.9	138,081R	153,109	-9.8	9,977	12,747	-21.7	120,907R	132,333	-8.6
Coated & Bonded Abrasives	1,853	2,267	-18.3	21,843R	25,605	-14.7	1,928	2,173	-11.3	23,327R	24,808	-6.0
Friction Materials	2,008	2,849	-29.5	32,901R	29,464	+11.7	1,772	3,070	-42.3	32,547R	29,224	+11.4
Insulation Materials	18,606	31,673	-41.3	286,940R	323,760	-11.4	18,886	30,530	-38.1	285,524R	308,098	-7.3
Foundry & Shell Molding	6,482	6,031	+7.5	74,620R	63,512	+17.5	6,655	6,547	+1.6	76,751R	66,226	+15.9
Plywood	97,515	97,462	0.0	1,209,881R	1,198,802	+0.9	97,634	95,549	+2.2	1,203,787R	1,180,980	+1.9
Fibrous & Granulated Wood	12,813	12,853	-0.3	169,087R	167,000	+1.2	13,001	12,385	+5.0	169,208R	163,123	+3.7
Resins Sold to Rubber Industry	2,699	1,924	+40.3	29,122	23,988	+21.4	2,986	2,408	+24.0	32,449	27,409	+18.4
All Other	4,039	4,929	-18.1	56,475R	53,945	+4.7	5,385	5,518	-2.4	66,137R	57,630	+14.8
Protective Coatings — Unmodified & Modified	1,855	1,629	+13.9	20,664	17,321	+19.3	2,326	1,691	+37.6	23,221	17,837	+30.2
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	3,575	2,382	+50.1	33,192	27,752	+19.6	3,627	2,535	+43.1	33,571R	27,638	+21.5

(1) = Except phenolic resins which are reported on a gross weight basis.

* = Domestic total includes exports.

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= Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

R = Revision

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS — NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	707,704	635,994	+11.3	7,601,628R	7,259,430	+4.7	714,837	706,100	+1.2	7,743,680	7,382,499	+4.9
Total Exports	89,691	68,690	+30.6	873,783R	833,355	+4.9						
Total Domestic	618,013	567,304	+8.9	6,727,845R	6,426,075	+4.7						
Film (12 Mils & Below)	383,496	363,421	+5.5	4,216,950R	4,164,279	+1.3						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	44,731	44,392	+0.8	560,308R	596,480	-6.1						
Wire & Cable	28,291	28,940	-2.2	347,330R	283,426	+22.5						
Extrusion Coating	56,099	48,575	+15.5	582,918R	518,252	+12.5						
Blow Molding	2,921	3,709	-21.2	41,365R	38,843	+6.5						
Pipe & Conduit, Total	1,674	1,997	-16.2	24,102	21,673	+11.2						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	9,731	7,170	+35.7	88,803	81,458	+9.0						
All Other Uses	91,070	69,100	+31.8	866,069R	721,664	+20.0						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	500,799	454,079	+10.3	5,442,828	5,214,929	+4.4	495,189	496,742	-0.3	5,632,388	5,264,496	+7.0
Total Exports	64,394	71,192	-9.5	640,888	931,413	-31.2						
Total Domestic	436,405	382,887	+14.0	4,801,940	4,283,516	+12.1						
Film (12 Mils & Below)	30,816	28,336	+8.8	338,045	339,377	-0.4						
Sheet (Over 12 Mils)	11,803	6,783	+74.0	110,911	67,940	+63.2						
Injection Molding	99,357	96,712	+2.7	1,099,643	1,073,755	+2.4						
Wire & Cable	10,363	9,391	+10.4	113,642	101,981	+11.4						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	166,636	149,566	+11.4	1,902,012	1,653,489	+15.0						
Pipe & Conduit, Total	38,756	35,565	+9.0	438,000	436,281	+0.4						
Corrugated Pipe & Conduit	11,457	14,851	-22.9	127,576	196,169	-35.0						
Non-Corrugated Pipe & Conduit	27,299	20,714	+31.8	310,424	240,112	+29.3						
Other Extruded Products	2,820	4,168	-32.3	40,828	37,706	+8.3						
All Other Uses	75,854	52,366	+44.9	758,859	572,987	+32.4						

D = Disclosure
(2) = Included in Other Extruded Products
(3) = Included in Film

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYPROPYLENE, TOTAL	400,172	381,741	+4.8	4,417,422R	4,059,966	+8.8	396,000	402,648	-1.7	4,525,743	4,070,445	+11.2
Total Exports	64,091	66,814	-4.1	691,725R	731,563	-5.4						
Total Domestic	336,081	314,927	+6.7	3,725,697R	3,328,403	+11.9						
Injection Molding	109,421	109,153	+0.2	1,213,651R	1,122,633	+8.1						
Appliances	11,210	9,072	+23.6	111,590	88,472	+26.1						
Consumer Products	23,177	23,848	-2.8	270,018R	275,674	-2.1						
Rigid Packaging	32,172	29,779	+8.0	340,244R	324,267	+4.9						
Transportation	27,338	29,144	-6.2	302,529R	261,634	+15.6						
All Other Injection Molding	15,524	17,310	-10.3	189,270R	172,586	+9.7						
Blow Molding	9,768	8,640	+13.1	98,810R	81,971	+20.5						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	34,711	26,052	+33.2	369,303R	333,036	+10.9						
Sheet (Over 10 Mils)	2,805	2,517	+11.4	48,365R	28,471	+69.9						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	106,706	107,333	-0.6	1,237,582R	1,103,564	+12.1						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	9,050	7,897	+14.6	104,686R	93,385	+12.1						
Resellers & Compounders	51,805	36,168	+43.2	511,640R	398,059	+28.5						
All Other Uses	11,815	17,167	-31.2	141,660R	167,284	-15.3						

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D = Disclosure

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= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

SPI

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

THERMOPLASTIC RESINS

NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	82,239	87,387	-5.9	1,006,574	925,300	+8.8	93,436	71,427	+30.8	1,042,775	887,737	+17.5
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	6,998	7,970	-12.2	83,408	83,805	-0.5	7,886	7,374	+6.9	93,137	86,894	+7.2
Total Exports	566	1,779	-68.2	10,389	10,546	-1.5						
Total Domestic	6,432	6,191	+3.9	73,019	73,259	-0.3						
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	21,748	21,666	+0.4	224,653R	213,060	+5.4	22,862	19,391	+17.9	242,625R	194,542	+24.7
Total Export	D	D		D	D							
Total Domestic	21,748	21,666	+0.4	224,653R	213,060	+5.4						
Molding & Extrusion	17,247	16,826	+2.5	164,114	157,902	+3.9						
Coatings	4,501	4,840	-7.0	60,539R	55,158	+9.8						
POLYSTYRENE RESINS, TOTAL	293,546	319,843	-8.2	3,537,842	3,320,492	+6.5	302,198	336,874	-10.3	3,523,191	3,266,254	+7.9
Straight Polystyrene	159,276	160,515	-0.8	1,838,969	1,713,898	+7.3	163,078	163,082	0.0	1,855,638	1,668,736	+11.2
Rubber-Modified Polystyrene	134,270	159,328	-15.7	1,698,873	1,606,594	+5.7	139,120	173,792	-20.0	1,667,553	1,597,518	+4.4
Total Exports	8,650	6,765	+27.9	88,928	72,932	+21.9						
Straight Polystyrene	3,796	4,192	-9.4	48,091	36,783	+30.7						
Rubber-Modified Polystyrene	4,854	2,573	+88.7	40,837	36,149	+13.0						
Total Domestic	284,896	313,078	-9.0	3,448,914	3,247,560	+6.2						
Molding	89,023	133,285	-33.2	1,316,927R	1,394,637	-5.6						
Extrusion	120,507	115,079	+4.7	1,349,932	1,133,888	+19.1						
Expandable Polystyrene Beads	42,551	39,843	+6.8	447,108	409,160	+9.3						
All Other Uses	32,815	24,871	+31.9	334,947R	309,875	+8.1						
Polystyrene End Uses, Total**	284,896	313,078	-9.0	3,448,914	3,247,560	+6.2						
Packaging	64,799	79,886	-18.9	867,455	827,748	+4.8						
Disposables	39,048	47,947	-18.6	489,362	430,306	+13.7						
Consumer and Institutional Products	38,417	45,492	-15.6	505,795	519,480	-2.6						
Electrical/Electronics	21,935	25,804	-15.0	276,745	260,102	+6.4						
Furniture, Furnishings, Building & Construction	14,874	15,162	-1.9	164,969	151,509	+8.9						
Expandable Polystyrene Beads	42,551	39,843	+6.8	447,108	409,160	+9.3						
All Other End Uses	63,272	58,944	+7.3	697,480	649,255	+7.4						

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**Portions of the End Use Section are estimated.

R = Revision

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including butadiene latexes not carboxylated	D	D		D	D		D	D		D	D	
STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL***	57,380	61,290	-6.4	688,752	647,018	+6.5	52,862	64,742	-18.3	681,181	650,353	+4.7
Paper Treating	1,296	1,898	-31.7	21,765	25,741	-15.4						
Textile Treating	1,760	1,412	+24.6	14,991	18,069	-17.0						
Carpet Backing	22,091	25,703	-14.1	289,269	276,824	+4.5						
All Other Uses (Including Exports & Paper Coating)	32,233	32,277	-0.1	362,727	326,384	+11.1						
NYLON RESINS, TOTAL	32,016	31,990	0.0	360,320	300,619	+19.9	28,553	32,950	-13.3	372,311	292,390	+27.3
Total Exports	1,507	2,346	-35.8	23,411	22,510	+4.0						
Total Domestic	30,509	29,644	+2.9	336,909	278,109	+21.1						
Injection Molding Grade	20,221	19,970	+1.3	224,823	179,270	+25.4						
Extrusion Grade	8,591	8,017	+7.2	88,218	79,078	+11.6						
Resellers and Compounders	1,118	1,112	+0.5	17,809	14,065	+26.6						
All Other Uses	579	545	+6.2	6,059	5,696	+6.4						

***Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

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THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	629,892	446,081	+41.2	6,192,075R	5,651,458	+9.6	570,818	476,542	+19.8	6,178,289	5,667,836	+9.0
Homopolymer Resins Including Blending & Latex	578,942	388,915	+48.9	5,567,795R	5,033,000	+10.6	513,406	414,654	+23.8	5,544,324	5,062,518	+9.5
Copolymer Resins Including Blending & Latex	22,936	23,611	-2.9	269,563R	258,256	+4.4	24,277	26,227	-7.4	269,172	253,350	+6.2
Dispersion Resins	28,014	33,555	-16.5	354,717R	360,202	-1.5	33,135	35,661	-7.1	364,793	351,968	+3.6
Total Exports	36,532	41,259	-11.5	332,810R	482,939	-31.1						
Total Domestic	593,360	404,822	+46.6	5,859,265	5,168,519	+13.4						
Calendering, Total	66,263	46,721	+41.8	646,648R	630,337	+2.6						
Flooring	13,523	13,581	-0.4	161,806	143,828	+12.5						
Textile	8,566	6,717	+27.5	85,380	96,556	-11.6						
All Other Calendering Uses	44,174	26,423	+67.2	399,462R	389,953	+2.4						
Coating, Total	28,340	30,916	-8.3	318,769	328,055	-2.8						
Flooring	13,811	11,893	+16.1	128,365	134,031	-4.2						
Textile & Paper Coating	7,786	10,229	-23.9	101,116	107,665	-6.1						
Protective Coatings	3,578	3,685	-2.9	40,153	41,307	-2.8						
Adhesives & All Other Coating Uses	3,165	5,109	-38.1	49,135	45,052	+9.1						
Extrusion, Total	410,634	237,036	+73.2	3,945,797R	3,230,308	+22.1						
Wire & Cable	36,198	29,230	+23.8	379,761	317,319	+19.7						
Film & Sheet	37,163	22,256	+67.0	314,304	280,052	+12.2						
Rigid Pipe & Tubing (Except Fittings)	278,620	144,903	+92.3	2,644,459R	2,114,054	+25.1						
All Other Extrusions	58,653	40,647	+44.3	607,273R	518,883	+17.0						
Molding, Total	38,633	38,745	-0.3	430,268R	390,834	+10.1						
Bottles	14,562	18,113	-19.6	174,705	149,148	+17.1						
Sound Records	5,159	6,420	-19.6	69,037	73,274	-5.8						
Fittings (Rigid Pipe & Tubing)	12,626	7,824	+61.4	111,047R	96,960	+14.5						
All Other Molding	6,286	6,388	-1.6	75,479	71,452	+5.6						
Paste Processes (Except Coating)	12,923	13,554	-4.7	158,716	149,071	+6.5						
Plastisol Formulation	7,065	7,316	-3.4	87,749	87,200	+0.6						
All Other	5,858	6,238	-6.1	70,967	61,871	+14.7						
Resellers & Compounders	17,060	20,726	-17.7	154,034	183,503	-16.1						
All Other Uses	19,507	17,124	+13.9	205,033R	256,411	-20.0						

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R = Revision

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS (In thousands of pounds, dry weight basis) NOVEMBER 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	53,273	56,059	-5.0	644,255	635,711	+1.3						
Total Exports	257	319	-19.4	3,250	5,617	-42.1						
Total Domestic	53,016	55,740	-4.9	641,005	630,094	+1.7						
Emulsion Paints	15,547	15,201	+2.3	192,209	196,274	-2.1						
Adhesives, Caulks and Sealants	20,366	23,465	-13.2	259,155	252,271	+2.7						
Paper Treating & Paper Coating	10,264	10,302	-0.4	110,368	107,079	+3.1						
Textile Treating	2,289	2,063	+11.0	24,049	20,791	+15.7						
Non-Woven Binders	2,485	2,587	-3.9	28,536	28,595	-0.2						
All Other Uses	2,065	2,122	-2.7	26,688	25,084	+6.4						
POLYVINYL ALCOHOL, TOTAL #	11,666	11,377	+2.5	133,685	124,069	+7.8	14,010	9,840	+42.4	138,965	118,535	+17.2
Total Exports	2,100	1,987	+5.7	26,006	21,232	+22.5						
Total Domestic	9,566	9,390	+1.9	107,679	102,837	+4.7						
OTHER VINYL RESINS*, TOTAL	15,306	15,428	-0.8	169,148	161,552	+4.7	14,809	17,708	-16.4	171,397	169,694	+1.0
Total Exports	4,934	3,508	+40.6	41,196	36,689	+12.3						
Total Domestic	10,372	11,920	-13.0	127,952	124,863	+2.5						
*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride												
THERMOPLASTIC POLYESTER, TOTAL	68,761	71,258	-3.5	772,975	718,938	+7.5	73,653	70,389	+4.6	817,834	711,638	+14.9
Total Exports	8,270	5,896	+40.3	85,759	81,082	+5.8						
Total Domestic	60,491	65,362	-7.5	687,216	637,856	+7.7						
PET Bottle Grades	41,864	48,187	-13.1	477,493	470,631	+1.5						
All Other Thermoplastic Polyester**	18,627	17,175	+8.5	209,723	167,225	+25.4						

**Includes All Other PET and All Injection Holding Grades
= Includes imputed data

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Vinyl Acetate Monomer for Polyvinyl Acetate includes some estimated data.